

Title (en)
SOLE STRUCTURES AND ARTICLES OF FOOTWEAR HAVING A LIGHTWEIGHT MIDSOLE WITH SEGMENTED PROTECTIVE ELEMENTS

Title (de)
SOHLENSTRUKTUREN UND SCHUHARTIKEL MIT LEICHTGEWICHTIGER ZWISCHENSOHLE MIT SEGMENTIERTEN SCHUTZELEMENTEN

Title (fr)
STRUCTURES DE SEMELLE ET ARTICLES DE CHAUSSURE AYANT UNE SEMELLE INTERCALAIRE LÉGÈRE COMPORTANT DES ÉLÉMENTS DE PROTECTION SEGMENTÉS

Publication
EP 2892378 A1 20150715 (EN)

Application
EP 13765570 A 20130905

Priority
• US 201213605681 A 20120906
• US 2013058280 W 20130905

Abstract (en)
[origin: US2014059883A1] Sole structures for articles of footwear, including athletic footwear, include: (a) a lightweight foam midsole component for supporting the foot; and (b) a plurality of heavier and/or denser cage components covering selected areas of the midsole component. Spaces are provided between the cage components. These spaces may be sized, shaped, and oriented to define and/or correspond to flexion lines of the foot and/or to produce a more natural flex motion to the sole. The soles additionally may include one or more outsole components, e.g., on bottom surface(s) of the cage component(s) and/or the foam midsole. These sole structures may be engaged with an upper to form a shoe. The uppers may include one or more lace receiving openings supported by elongated wire or textile components. Methods of making footwear including such uppers and/or sole structures also are described.

IPC 8 full level
A43B 13/04 (2006.01); **A43B 13/12** (2006.01); **A43B 13/14** (2006.01); **A43B 13/16** (2006.01); **A43B 13/18** (2006.01); **A43B 23/02** (2006.01)

CPC (source: CN EP US)
A43B 13/04 (2013.01 - EP US); **A43B 13/12** (2013.01 - CN); **A43B 13/122** (2013.01 - EP US); **A43B 13/125** (2013.01 - EP US); **A43B 13/14** (2013.01 - CN); **A43B 13/141** (2013.01 - EP US); **A43B 13/16** (2013.01 - CN EP US); **A43B 13/181** (2013.01 - CN); **A43B 13/184** (2013.01 - EP US); **A43B 13/187** (2013.01 - CN EP US); **A43B 23/02** (2013.01 - CN); **A43B 23/0265** (2013.01 - EP US); **A43C 1/04** (2013.01 - EP US); **A43C 5/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2014039691A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2014059883 A1 20140306; US 9282784 B2 20160315; AU 2013312454 A1 20150326; AU 2013312454 A8 20150723; AU 2013312454 B2 20161201; AU 2017201420 A1 20170323; AU 2017201420 B2 20181018; BR 112015005045 A2 20170704; CA 2883764 A1 20140313; CN 104768412 A 20150708; CN 104768412 B 20161214; CN 107048585 A 20170818; CN 107048585 B 20200428; EP 2892378 A1 20150715; EP 2892378 B1 20180725; EP 3398468 A1 20181107; EP 3398468 B1 20230412; HK 1210678 A1 20160506; IN 2682DEN2015 A 20150904; JP 2015531265 A 20151102; JP 2017060819 A 20170330; JP 6050498 B2 20161221; JP 6400659 B2 20181003; KR 101752983 B1 20170703; KR 20150053780 A 20150518; MX 2015002965 A 20151029; MX 2019012045 A 20200113; US 10609984 B2 20200407; US 2016143391 A1 20160526; US 2018263333 A1 20180920; US 9999276 B2 20180619; WO 2014039691 A1 20140313; ZA 201501587 B 20160727

DOCDB simple family (application)
US 201213605681 A 20120906; AU 2013312454 A 20130905; AU 2017201420 A 20170301; BR 112015005045 A 20130905; CA 2883764 A 20130905; CN 201380057938 A 20130905; CN 201611024457 A 20130905; EP 13765570 A 20130905; EP 18179944 A 20130905; HK 15111576 A 20151124; IN 2682DEN2015 A 20150401; JP 2015531200 A 20130905; JP 2016227694 A 20161124; KR 20157008607 A 20130905; MX 2015002965 A 20130905; MX 2019012045 A 20150306; US 2013058280 W 20130905; US 201615012464 A 20160201; US 201815983622 A 20180518; ZA 201501587 A 20150309